Applicants. Flasse et al

U.S.S.N.: Not Yet Assigned

Title: System and Method for Managing Data associated with Copying and Recovery

Procedures in a Data Storage Environment
Filing Date: Herewith/ Docket No.: EMC-03-100
Attorney: Robert Kevin Perkins, Esq. (Reg. No. 36,634)
Express Mail Mailing Label No. EK900600582US

1/8 PRODUCTION HOST 10 INTERFACE -17 (e.g. GUI, CLI) 16 33 15. 21 23 22 20 PROD. 25 DATA **DATA COPY** MAP-DELTA MAP-PROTECT BIT # 0 1 2 3 4 5 6 7 8 32 TRACKING BIT # <u>0 1 2 3 4 5 6 7 8</u> 000000000 36~ **PROGRAM LOGIC OPERATING SYSTEM CPU** 37 31 -39 SOURCE SYSTEM (e.g. LOCAL)

FIG. 1

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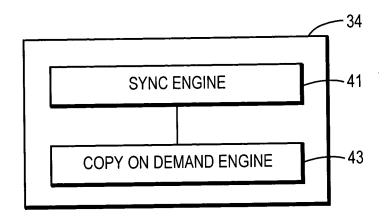


FIG. 2

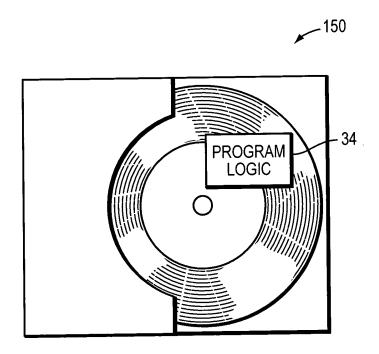


FIG. 3

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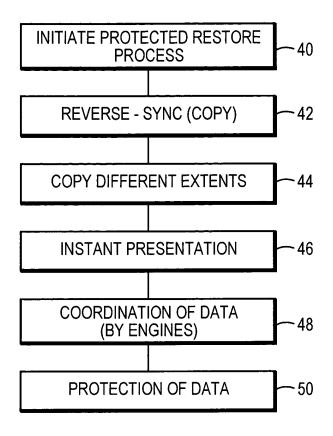


FIG. 4

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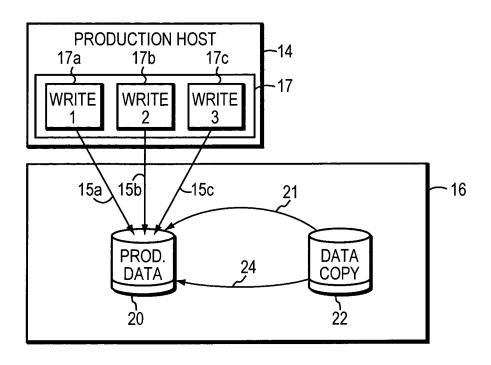


FIG. 5

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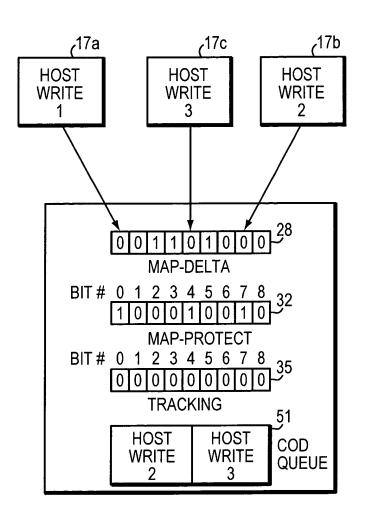


FIG. 6

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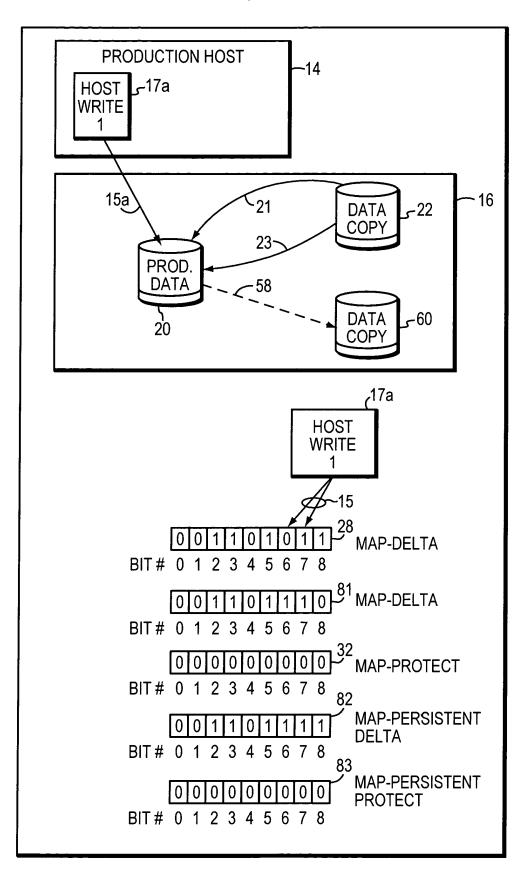


FIG. 7

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7/8

0 1 1 1 0 81 MAP-DELTA 82 MAP-PERSISTENT DELTA 5 6 7 8 BIT# 0 83 MAP-PERSISTENT PROTECT BIT# 0 1 2 3 4 5 6 7 8

FIG. 8

U.S.S.N.: Not Yet Assigned

Fitle: System and Method for Managing Data associated with Copying and Recovery

Procedures in a Data Storage Environment
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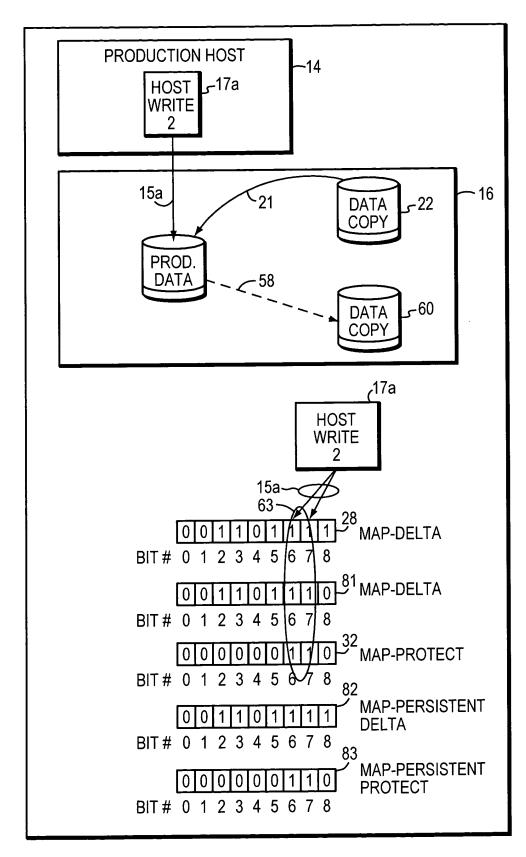


FIG. 9